

Notice of Allowability

Application No.

09/807,741

Applicant(s)

MEISTER, WOLFGANG

Examiner

Emmanuel Bayard

Art Unit

2631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/16/01.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>7/16/01</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Glen Michael on 10/13/04.

The application has been amended as follows: In claim 1, lines 12, 18, 35, 39 and 41 the word "it" has been replaced with --- said first coded information symbol ----, --said second coded information symbol---, ---- said each partial channel ---, ---- said each partial channel of the first set of partial channels ----, and ---- said each partial channel of the second set of partial channels ----, respectively.

In claims 2, line 3, the word "it" has been replaced with --- said each partial channel of the transmission channel ----.

In claim 20, line 3, the word "it" has been replaced with --- said unit for equalizing ---.

In claim 21, lines 12, 18, 34, 37 and 40 the word "it" has been replaced with --- said first coded information symbol ----, ---said second coded information symbol---, ---- said each partial channel ---, ---- said each partial channel of the first set of partial channels ----, and ---- said each partial channel of the second set of partial channels ----, respectively.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance: The prior art of record fail to anticipate or render obvious the following recited features: a unit for assigning the combined coded information symbols of the first set to the first set of partial channels and for assigning the combined coded information symbols of the second set to the second set of partial channels in such a way that each partial channel has a combined coded information symbol assigned to said each partial channel, that each partial channel of the first set of partial channels has the whole information of the information symbols of the first set assigned to said each partial channel of the first set of partial channels, and that each partial channel of the second set of partial channels has the whole information of the information symbols of the second set assigned to said each partial channel of the second set of partial channels as recited in claims 1 and 21. A second unit second for decoding the coded information symbols of the second set so as to recapture the information assigned to the coded information symbols of the second set, the second unit decoding being designed to also decode at least one partial channel second partial channels of the second set of partial channels as recited in claim 16.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Jebwab et al U.S. patent No 6,373,859 b1 teaches a methods and apparatus for encoding and decoding data.

Laroia et al U.S. patent No 6,580,761 B1 teaches a coding technique.

Baum et al U.S. patent No 5,867,478 teaches a synchronous coherent orthogonal frequency division multiplexing system.

Laroia et al U.S. Patent No 6,628,722 B1 teaches decoding technique.

Karim et al U.S. Patent No 6,501,810 B1 teaches fast frame synchronization.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emmanuel Bayard whose telephone number is 571 272 3016. The examiner can normally be reached on Monday-Friday (7:Am-4:30PM)
Alternate Friday off.

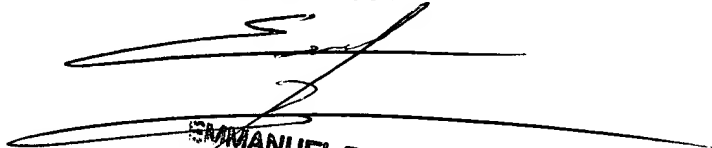
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammed Ghayour can be reached on 571 272 3021. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Emmanuel Bayard
Primary Examiner
Art Unit 2631

10/13/04



EMMANUEL BAYARD
PRIMARY EXAMINER